Honeywell

GSM Communicators

7845GSMR   GSMCF   GSML   VISTA-GSM   **G** SERVICE
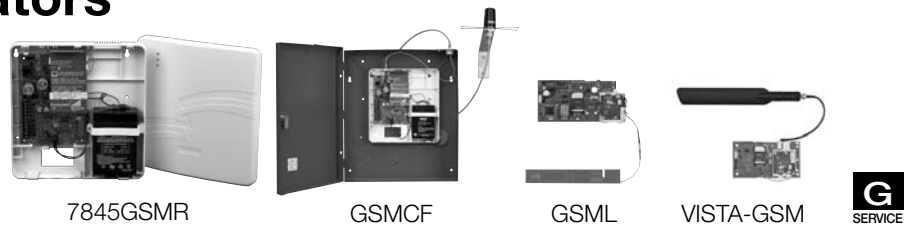
Honeywell is focused on providing the future of alarm communication solutions for the security industry. Alternative communication methods are critical in the marketplace due to VoIP, migration from POTS and global growth of digital networks.

Honeywell's Digital Cellular Communicators deliver secure, reliable and complementary digital communications via the GSM (Global System for Mobile) network. Our use of Dual-Path GPRS service with SMS backup provides substantial benefits to protect your investment by future-proofing your recurring revenue.

This groundbreaking communications solution offers full data reporting and uploading/downloading with most Honeywell control panels. In addition, with on-board zone inputs and optional dialer capture capability, we're compatible with other manufacturers' security panels as well.

The addition of the snap-in GSML and VISTA-GSM lines allow for integration of the GSM modules directly into the Honeywell VISTA-21iP and LYNX control panels – making installation faster and easier.

All signals are delivered to Honeywell's AlarmNet Network Control Center, which routes the information to the appropriate central station. The state of the art AlarmNet Network Control Center is fully redundant and monitored 24/7. AlarmNet has the ability to route messages using AlarmNet-i and 800 PLUS services, providing true redundancy and multi-path message delivery.

FEATURES

Features that apply to all four products

- **Full Contact ID or ADEMCO High-Speed Reporting**
  Contact ID reporting using ECP mode with compatible Honeywell control panels or combined with dialer capture for non-ECP capable control panels.

- **256-bit AES Encryption**
  Advanced encryption standard used for secure communications.

- **Dual-Path Technology**
  Uses GPRS (General Packet Radio Service) as primary digital cellular path and automatically switches to SMS (Short Message Service) if GPRS is unavailable.

- **Upload/Download**
  With select Honeywell control panels using GPRS. Requires Compass version 1.5.8.54a or higher.

- **Dynamic Signaling with Certain Honeywell Control Panels**
  Provides management of control panel dialer and digital cellular communicator. Programmable priority and delays determine signal path.

- **Diagnostic LEDs**
  Provide signal strength and status indications.

- **QOS**
  Quality of Service diagnostics via AlarmNet supply vital information including when a message was received, battery voltage, input voltage, signal strength and message path.

- **Web-Based Programming**
  Allows complete interactive programming from AlarmNet Direct. https://services.alarmnet.com/AlarmnetDirect

- **Intelligent Supervision**
  Any message generated serves as a supervision message per optional 24 hour or 30 day intervals. This feature effectively limits required messages to be sent.

- **Remote Services Capability***
  Optional Total Connect value-added web-based or SMS system control as well as e-mail notification of system events.

  *Service subscription required.

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FEATURES

- **Universal Control Panel Compatibility**
  Flexible modes of operation allow ECP alarm reporting by Honeywell control panels, 4204 relay mode for Honeywell controls (that do not support ECP alarm reporting) and zone triggering for use with other control panels.

- **Dialer Capture Ready**
  Compatible with Dialer Capture Intelligence Device DCID (for LYNX) or DCID-EXT (other control panels). Captures Contact ID messages from the panel's phone line and sends them to the central station via the GSM radio.

- **Six Input Zones**
  Digital processing for improved detection and false alarm protection

- **Tamper Protected Enclosure**
  Built-in tamper sends a report when a tamper condition is detected and a restore when cleared.

- **Built-in Power Supply**
  On board charging circuit design accommodates back-up battery. Includes primary power and battery supervision.

- **Back-Up Battery**
  6V 3.1Ah supplied to deliver up to 24 hours of standby operation.

Features that apply to the VISTA-GSM and GSML only

- **No Power Supply Required**
  Fully powered (primary and backup battery) from the control panel.

- **Integration**
  Snap-in module allows for quick and easy installation of the GSM module directly into the LYNX (GSML) and VISTA panels (VISTA-GSM).

SPECIFICATIONS

GSML

Physical
- Dimensions: 5.625" x 2.25"

Electrical
- Input Voltage: 12VDC (powered by the LYNXR-I Series/ReadyGuard-RI Series Control) (Range: 5.5 VDC-12 VDC)
- Quiescent Current: 40mA
- Peak Current During Transmit: 650mA

GSML Antenna
- Type: Dual band, dipole, with flying lead coax
- PCB VSWR: <2:1
- Bands: 824-896 MHz, 1850-1990 MHz
- Impedance: 50 ohms
- Polarization: Vertical
- Dimensions: 20mm x 125mm
- Gain (Peak): 0 dBi
- Cable: 60mm of 1.37mm lead coax
- Connector Type: MMCX Male

VISTA-GSM

Physical
- Dimensions: 2.2" x 4.0"

Electrical
- Input Voltage 4.1V
- Peak Current During Transmit: 1.6A
- Quiescent Current: 20mA

VISTA-GSM Antenna
- Type: Dual band, dipole
- VSWR: <2:1
- Bands: 824-896 MHz, 1850-1990 MHz
- Impedance: 50 ohms
- Polarization: Vertical

- Dimensions: 161mm x 26mm
- Gain (Peak): 0-4 dBi
- Connector Type: SMA male

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SPECIFICATIONS

7845GSMR/GSMCF

Power
- **Input Operating Voltages:**
  – 10.5–14.3VDC or 9–16.5VAC
- **Backup Battery**:
  – 6V 3.1A (24 hours standby)
- **Current Requirements:**
  – 50mA standby – 1A peak transmit
- **Transmission Power:**
  – 850 MHz 1 Watt to 1900 MHz 2 Watts

Mechanical
- **Dimensions**:
  – 8" H x 7.5" W x 1.86" D
- **Operating Temperature**:
  – -20° to 55° C (-4° to 131° F) can go to 70° C (158° F) but will not be in spec for GSM network requirements
- **Humidity**:
  – 0% – 90% non-condensing

U.S. Communications Agency Listings

Communication Devices	Description	Testing Agency	Commercial Standards								Residential Standards	
			UL 365 Police Connected Burglar Alarm Commercial Burglar	UL 609 Local Burglar Alarm Systems	UL 1610 Central Station Burglar Alarm Commercial Burglar	UL 1635 Digital Alarm Communications Commercial Burglar	UL 864 Rev. 9 Standalone*	UL 864 Rev. 9 Primary/ Backup**	UL 864 Rev. 8	California State Fire Marshall (CSFM)	UL 1023 Household Burglar Alarm	UL 985 Household Fire
AlarmNet-G												
7845GSM Kitted as 7845GSMR GSMCF	GSM Cellular Communication Module	UL/ETL	✓	✓ (ETL Only)	✓	✓ (UL Only)			✓ (ETL Only)	✓	✓	✓
7845i-GSM iGSMCF	Internet/GSM Cellular Communication Module	UL/ETL	✓	✓ (ETL Only)	✓	✓ (UL Only)	✓ (ETL Only)	✓ (ETL Only)		✓	✓ (UL Only)	✓ (UL Only)
GSML	GSM Communication Module for LYNX Control	ETL	✓	✓	✓	✓		✓		✓	✓	✓
VISTA-GSM	GSM Communication Module for VISTA-21iP Control	ETL	✓	✓	✓	✓		✓		✓	✓	✓

*Standalone listing does not require a separate listed DACT.
**Primary/backup listing requires use of a listed DACT.

Canadian Communications Agency Listings

Communication Devices	Description	Testing Agency	Canadian Standards				
			ULC-S303-M91 Local Burglar Alarm	ULC-S304-06 Central and Monitoring Station Burglar Alarm	ULC-S545-02 Residential Fire Warning System	ULC Subject C1023-74 Household Burglar	ULC-S559-04
AlarmNet-G							
7845GSMCN 7845GSMRCN GSMCN	GSM Cellular Communication Module	cUL/ULC	✓	✓	✓	✓	
7845i-GSMCN iGSMCN	Internet/GSM Cellular Communication Module	cUL/ULC	✓	✓	✓	✓	✓ (iGSMCN Only)
GSMLCN	Add-on GSM Communication Module for LYNX Control	ETL	✓	✓	✓	✓	
VISTA-GSMCN	Snap-on GSM Communication Module for VISTA-21iP Control	ETL	✓	✓	✓	✓	

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ACCESSORIES

Applicable to all four products	Applicable to the 7845GSMR and GSMCF only			
7720P Programmer	**K14139 Battery** (Included)	**1332 Transformer (1332CN for Canada)** (Included)	**DCID Dialer Capture Intelligence Device** (For Non-ECP LYNX controls)	**DCID-EXT Dialer Capture Intelligence Device** (For Non-ECP capable control panels)

ORDERING

7845GSMR	Digital Cellular Communicator with Remote Services Capability
GSMCN	Digital Cellular Communicator for Canada with Remote Services Capability
7845GSMRG	California Compliant Digital Cellular Communicator with Remote Services Capability
GSMCF	Commercial Fire Communication Kit includes: 7845GSMR, Commercial Red Cabinet, 3 dB Antenna Kit
GSML	Internal GSM Module for LYNX
GSMLCN	Internal GSM Module for LYNX (Canada)
VISTA-GSM	Plug-in GSM Module for VISTA-21iP

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